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## **-CERTIFICATE OF ANALYSIS-**

Product: Toluene-4-sulphonyl chloride

Code Number: OR9931

CAS Number: 98-59-9

Formula:  $C_7H_7ClO_2S$

Batch Number: AS516750

Appearance: White crystalline solid

Melting Point: 68.1 - 69.1 degrees C

Purity by HPLC: 99.4% by area

Identity: IR conforms to structure

Verified by: David Parton

Signed: --Digital document, no signature required--